

## CURRICULUM VITAE



### **DR. SWATI TRIPATHI**

Scientist 'D',

Quaternary Palynology Division,

Birbal Sahni Institute of Palaeosciences,

53 University Road, Lucknow-226007 (UP), INDIA

Associate (Indian Academy of Sciences, Bangalore)

*Email: [swati.tripathi@bsip.res.in](mailto:swati.tripathi@bsip.res.in)*

---

### **Research Interest:**

- Quaternary Vegetation and Climate change through biological proxies especially pollen, spores, diatoms, etc.
- Melissopalynology; Copropalynology
- Ethnobotany
- Examining morphology of pollen in living plants.

### **Educational Qualification:**

- Ph.D. (Palaeobotany) awarded in 2011 from University of Lucknow.
- M.Sc. (Botany) awarded in 2007 from University of Lucknow, **Triple Gold Medalist**.
- B.Sc. (Zoology, Botany, Chemistry) awarded in 2005 from University of Lucknow.
- Intermediate passed from CBSE in 2002.

- High School passed from CBSE in 2000.

### **Medals/Honour:**

- **Birbal Sahni Memorial Gold Medal 2007** for obtaining highest percentage of marks in M.Sc (Botany), Lucknow University.
- **Kamayani Memorial Gold Medal 2007** for obtaining highest percentage of marks among girls candidate in M.Sc (Botany), Lucknow University.
- **Sri Rakeshwar Lal Sinha & Smt. Prema Sinha Gold Medal 2007** for obtaining highest percentage of marks among successful women candidate in M.Sc (Botany), Lucknow University.
- **Dr. B.S. Venkatachala Memorial Gold Medal 2012** for the outstanding piece of research work in Palaeobotany, BSIP, Lucknow.
- **Dr. Chunni Lal Khatiyal Medal 2016** for the outstanding piece of research work in Palaeobotany among Scientist B of BSIP, Lucknow.
- Elected as an **Associate in Indian Academy of Sciences, Bangalore** from 2017-2021.
- Received **SERB Women Excellence Award-2019**.

### **Awards in National and International events:**

- Received **Young Scientist Award** in IPC/IOPC-2012 joint conference and congress held in Tokyo, Japan from 23<sup>rd</sup>-30<sup>th</sup> August, 2012.
  - **Best poster award** in National Conference in Recent Developments in Plant and Earth sciences 2013.
  - **Best poster award** in National Hindi Science Symposium at IITM, Pune, 2014.
  - **Best poster award** in Women Scientists & Entrepreneur Conclave in India International Science Festival-2018 held at Indira Gandhi Pratishthan, Lucknow.
  - नगर राजभाषा कार्यान्वयन समिति ने दिसम्बर 26, 2022 को छमाही हिंदी बैठक में बीएसआईपी की राजभाषा पत्रिका 'पुराविज्ञान स्मारिका' (सह-संपादक) को प्रोत्साहन पुरस्कार से सम्मानित किया।
  - **Best poster award** in XXVIII Indian Colloquium on Micropalaeontology & Stratigraphy held during May, 4<sup>th</sup>-6<sup>th</sup>, 2022 at SPP University, Pune.
-

### **Work Experience:**

- Worked as **Junior Research Fellow** in DST sponsored project dealing with Quaternary palaeovegetation and climate changes from upper Assam area through pollen records.
- Worked as **Birbal Sahni Research Associate** in BSIP Project from Upper Assam and adjoining areas of Arunachal Pradesh.
- Worked as **Scientist-B** in Quaternary Palynology Division of BSIP, Lucknow.
- Worked as **Scientist-C** in Quaternary Palynology Division of BSIP, Lucknow.
- Presently working as **Scientist-D** in Quaternary Palynology Division of BSIP, Lucknow.

### **Present Project title (April 2019-onwards):**

Response of Vegetation to the Holocene Climatic changes and anthropogenic induced changes across Barak valley of Assam, northeast India (*working as PI; BSIP-in house project*) (2019-2021).

### **Sponsored Project**

1. Late Quaternary Vegetation and Climate oscillation from endangered wetlands and surrounding reserve forests of Manipur, northeast India: based on pollen and NPP records (*worked as PI; Fast track young scientist project sponsored by SERB, New Delhi, September 2015- March 2019*).
2. Climate induced Holocene vegetation response and anthropogenic impact in Majuli Island of Assam, northeast India based on multiproxy records (*worked as PI under SERB Women Excellence Award-2019; sponsored by SERB, New Delhi, June 2019-onwards*).

### **List of Research papers (54):**

#### **Impact factor journals (35):**

1. **Tripathi Swati\***, Thakur B\*, Sharma A\*, Phartiyal B, Basumatary SK, Ghosh R, Kumar K, MC Manoj, Agrawal S, Farooqui A, Tiwari P, Saikia K, Tiwari A, Pandey A, Ali

- Nazakat, Agnihotri R, K Prasanna, Morthekai P, Ranhotra PS, Pandey S, Bose T. 2023. Modern biotic and abiotic analogues from the surface soil of Ganga-Ghaghara-Gandak interfluvies of the Central Ganga Plain (CGP), India: Implications for the palaeoecological reconstruction. *Catena* **224**: 106975. <https://doi.org/10.1016/j.catena.2023.106975>. (IF-6.36).
2. **Tripathi Swati\***, Pandey A. 2023. Palynological response deduced through spatially distinct surface samples to reconstruct palaeoecology and palaeoclimate of the Barak Valley, Assam (Indo-Burma region), northeast India. *Journal of the Palaeontological Society of India* (Accepted, in press) (IF-0.65).
  3. Basumatary SK, van Asperen EN, McDonald HG, **Tripathi Swati**, Gogoi R. 2023. Pollen and non-pollen palynomorph depositional patterns in Kaziranga National Park, India: implications for palaeoecology and palaeoherbivory analysis. *The Holocene*. (MS accepted, in press) (IF-3.09).
  4. **Tripathi Swati\***, Garg A, Shukla AN, Farooqui A, Pandey A, Tripathi T, Singh VK. 2022. Pollen micro-morphometry of two endangered species of *Rauvolfia* L. (Apocynaceae) from the Indo-Gangetic Plains of Central India using LM, CLSM and FESEM. *Palynology (Taylor & Francis)*. DOI: 10.1080/01916122.2022.2072966. (IF: 1.94).
  5. Kar R\*, Mishra K, Quamar F, Bajpai Mohanty R, Agrawal S, **Tripathi Swati**, Mishra AM. 2022. A high-altitude calibration set of modern biotic proxies from the Western Himalaya, India: Pollen–vegetation relation, anthropogenic and palaeoclimatic implications. *Catena* **211**: 106011. DOI: 10.1016/j.catena.2021.106011. (IF: 6.36).
  6. Pokharia AK, Basumatary SK\*, Thakur B, **Tripathi Swati**, McDonald HG, Tripathi D, Tiwari P, Van Asperen E, Spate M, Chauhan G, Thakkar MG, Srivastava A, Agarwal S. 2022. Multiproxy analysis on Indian wild ass (*Equus hemionus khur*) dung from Little

- Rann of Western India and its implications for the palaeoecology and archaeology of arid regions. *Review of Palaeobotany & Palynology* 304: 104700. DOI: 10.1016/j.revpalbo.2022.104700. (IF: 2.49).
7. **Tripathi Swati\***, Basumatary SK, Pandey A, Khan S, Tewari P, Thakur B. 2021. Palaeoecological changes from 580 to 1220 CE from the Indo-Burma region: A biotic assessment from the Barak Valley of Assam, northeast India. *Catena* 206: 105487.
  8. Basumatary SK\*, Gogoi R, **Tripathi Swati\***, Ghosh R et al. 2021. Red Panda feces from Eastern Himalaya as a modern analogue for palaeodietary and palaeoecological analyses. *Nature Scientific Reports* 11(1): 18312.
  9. Basumatary SK\*, **Tripathi Swati**. 2021. Is Bat Guano a potential pollen trap? A comparative assessment from conventional soil and moss substrates from Eraaning Cave of Meghalaya, India. *Review of Palaeobotany & Palynology* 295: 104539.
  10. **Tripathi Swati\***, Thakur B, Nautiyal CM, Bera SK. 2020. Floristic and Climatic reconstruction in Indo-Burma region for the last 13000 cal yr: A palynological interpretation from endangered wetlands of Assam, northeast India. *The Holocene* 30(2): 315-331.
  11. Basumatary SK\*, **Tripathi Swati**, Abdul Zalil, Azizur Rahman. 2020. A comparative assessment of pollen in modern vegetation and bat guano in Pipulbari Cave of Meghalaya, India. *Review of Palaeobotany & Palynology* 274: 104157.
  12. Basumatary SK\*, Singh H, van Asperen EN, **Tripathi Swati**, McDonald HG, Pokharia AK. 2020. Coprophilous and non-coprophilous fungal spores of *Bos mutus* modern dung from the Indian Himalaya: implications to temperate palaeoherbivory and palaeoecological analysis. *Review of Palaeobotany & Palynology* 277: 104208.
  13. **Tripathi Swati\***, Basumatary SK, Singh, YR, McDonald HG, Tripathi D, Singh, LJ. 2019. Multiproxy studies on dung of endangered Sangai (*Rucervus eldii eldii*) and Hog

- deer (*Axis porcinus*) from Manipur, India: Implications for palaeoherbivory and palaeoecology. *Review of Palaeobotany & Palynology* 263: 85-103.
14. Farooqui A\*, **Tripathi Swati**, Garg A, Shukla AN, Murthy S, Prasad V, Sinha GP. 2019. Palaeotropical lineage of Indian water Primrose (*Ludwigia* L., Onagraceae) using pollen morphometric analysis *Review of Palaeobotany & Palynology* 269: 64-77.
  15. Basumatary SK\*, Singh H, McDonald HG, **Tripathi Swati**, Pokharia AK. 2019. Modern botanical analogue of endangered Yak (*Bos mutus*) dung from India: Plausible linkage with extant and extinct megaherbivores. *PLoS ONE* 14(3): e0202723. <https://doi.org/10.1371/journal.pone.0202723>.
  16. **Tripathi Swati**\*, Farooqui A, Singh VK, Singh S, Roy RK. 2018. Morphometric analysis of Ceiba Mill. (Bombacoideae, Malvaceae) pollen: a sacred plant of the Mayan (Mesoamerican) civilization. *Palynology*. <https://doi.org/10.080/0191622.2018.1467350>.
  17. Basumatary SK\*, Nautiyal CM, Ghosh R & **Tripathi Swati**. 2018. Modern pollen deposition in wetlands of Majuli Island and its implication to decipher palaeoflood episodes in northeast India. *Grana* 57(4): 273-283.
  18. **Tripathi Swati**\*, Singh YR, Nautiyal CM, Thakur Biswajeet. 2018. Vegetation history, monsoonal fluctuations and anthropogenic impact during the last 2,330 years from Loktak Lake (Ramsar site), Manipur, northeast India: a pollen based study. *Palynology* 42(2): 406-419.
  19. Bera SK, **Tripathi Swati**\*, Gupta SC, Bera S. 2018. Pollen and spores in yellow rain from Lucknow, northern India. *Palynology (taylor & francis)* 42(4): 504-515.
  20. **\*Tripathi Swati**\*, Singh S, Roy RK. 2017. Pollen morphology of *Bougainvillea* (Nyctaginaceae): a popular ornamental plant of tropical and sub-tropical gardens of the world. *Review of Palaeobotany & Palynology* 239: 31-46.

21. **Tripathi S\***, Basumatary SK, Bera SK, Brahma M, Sarma GC. 2017. A palynological study of natural honeys from the Bongaigaon district of Assam, northeast India. *Palynology (taylor & francis)* **41**(3): 389-400.
22. Narayana AC\*, Prakash Vinu, Gautam PK, **Tripathi Swati**. 2017. Holocene environmental changes as recorded in sediments of a paleodelta, southwest coast of India. *Quaternary International* **443**: 115-123.
23. **Tripathi Swati\***, Basumatary SK, Bera SK, Mehrotra RC, Sarma GC. 2016. Modern pollen- vegetation relationship from the tropical forest of eastern buffer zone of Manas National Park, Assam, northeast India. *Geophytology* **46**(2): 121–131.
24. **Tripathi Swati\***, Arya A, Basumatary SK, Bera SK. 2016. Modern pollen and its ecological relationships with the tropical deciduous forests of central Uttar Pradesh, India. *Palynology (taylor & francis)* **40**(2): 264–279.
25. Basumatary SK, **Tripathi Swati\***, Bera SK, Nautiyal CM, Devi N & Sarma GC. 2015. Late Pleistocene palaeoclimate based on vegetation of the Eastern Himalayan foothills in the Indo-Burma. *Palynology (taylor & francis)* **39**(2): 220-233.
26. Basumatary SK\*, **Tripathi Swati**, Bera SK & Kumar Subodh. 2014. Pollen morphology of *Nepenthes khasiana* Hook. f. (Nepenthaceae): an endemic insectivorous plant of India. *Palynology (taylor & Francis)* **38**: 324-333.
27. Basumatary SK, **Dixit Swati\***, Bera SK & Mehrotra RC. 2013. Modern pollen assemblages of surface samples from Cherrapunjee and its adjoining areas, Meghalaya, northeast India, *Quaternary International* **298**: 68-79.
28. Bera SK\*, **Dixit Swati** & Mandaokar BD. 2012. Late Holocene vegetation development and climate fluctuations in and around Northeastern Tripura, India. *Memoir of the Geological society of India* **77**: 371-379.

29. **Dixit Swati\*** & Bera SK. 2013. Pollen-inferred Vegetation vis a vis Climate dynamics since Late Quaternary from Western Assam, Northeast India: signal of global climatic events. *Quaternary International* 256: 56-68.
30. **Dixit Swati\*** & Bera SK. 2012. Pollen rain studies in wetland environ of Assam, Northeast India, to interpret present and past vegetation. *International journal of Earth Science and Engineering* 4(4): 719-724.
31. Bera SK\*, Basumatary SK, Nautiyal CM, **Dixit Swati**, Mao AA & Gogoi R. 2011. Late Holocene climate and vegetation change in Dzuko valley, Northeast India. *Journal of the Palaeontological society of India* 56 (2): 143-148.
32. **Dixit Swati\*** & Bera SK. 2011. Holocene climatic fluctuation from lower Brahmaputra floodplain of Assam, Northeast India. *Journal of Earth System Science*. 121(1): 135-147.
33. Bera SK\*, **Dixit Swati**, Saini DC & Sekar B. 2011. Impact of metal concentration and pollen preservation in Copper and Manganese ore rich soil from Balaghat District, Madhya Pradesh: Mineral indicator plants and fungal remains. *International Journal of Earth Science and Engineering* 4(4): 719-724.
34. **Dixit Swati\*** & Bera SK. 2011. Mid-Holocene Vegetation and Climatic variability in Tropical deciduous Sal (*Shorea robusta*) forest of Lower Brahmaputra valley, Assam, Northeast India. *Journal of the Geological society of India* 77 (5): 419-432.
35. Bera SK\*, **Dixit Swati**, Basumatary SK & Gogoi Rajib. 2008. Evidence of biological degradation in sediments of Deepor Beel Ramsar site, Assam as inferred by degraded palynomorphs and fungal remains. *Current Science* 95: 178-180.

#### **Non-Impact factor journals (19)**

1. Ranjan R, **Tripathi Swati\***. 2023. Modern pollen assemblage and micro-morphometric analysis of arboreal and non-arboreal taxa from Lucknow district of



Central Ganga plain, India: a window to palaeoclimatic studies. *Applications of Palynology in Stratigraphy and Climate Studies*. Springer Nature Switzerland AG (Accepted).

2. **Tripathi Swati\***, Srivastava J, Garg A, Khan S, Farooqui A, Quamar MF, Thakur B, Ranhotra PS, Basumatary SK, Trivedi A, Pandey S, Anupama K, Prasad S, Reghu N. 2022. Surface pollen quantification and floristic survey at Shaheed Chandra Shekhar Azad (SCSA) Bird Sanctuary, Central Ganga Plain, India: a pilot study for the palaeoecological implications. *Journal of Palaeosciences* 71(2): 159–176. DOI: [10.54991/jop.2022.1838](https://doi.org/10.54991/jop.2022.1838).
3. Garg A, **Tripathi Swati\***, Farooqui A, Shukla A. 2022. Palynological remarks on the taxonomic status of *Ludwigia octovalvis* subsp. *sessiliflora* (Micheli) P.H.-Raven: LM and FESEM studies. *Tropical Plant Research* 8(3): 203–209. DOI: [10.22271/tpr.2021.v8.i3.025](https://doi.org/10.22271/tpr.2021.v8.i3.025).
4. Pandey A, **Tripathi Swati\***, Basumatary SK. 2022. Non-Pollen Palynomorphs from the Late-Holocene Sediments of Majuli Island, Assam (Indo-Burma Region): Implications to Palaeoenvironmental Studies. In: Phartiyal, B., Mohan, R., Chakraborty, S., Dutta, V., Gupta, A.K. (eds) *Climate Change and Environmental Impacts: Past, Present, and Future Perspective*. Society of Earth Scientists Series. Springer, Cham. DOI: [10.1007/978-3-031-13119-6\\_5](https://doi.org/10.1007/978-3-031-13119-6_5).
5. Basumatary SK, **Tripathi S**, Bera SK. 2021. Early Holocene pollen record of vegetation and climate history in response to the monsoonal activity in East Garo Hills, Meghalaya, India. *The Palaeobotanist* 69: 51-61.
6. Basumatary SK, **Tripathi Swati\***, Thakur Biswajeet, Jalil A, Rahman A. 2018. Mid-Holocene vegetation and climatic changes in southwestern Garo hills, Meghalaya, northeast India based on pollen records. *Geophytology* 48(2): 103-112

7. Basumatary SK\*, **Tripathi Swati**, Jalil A & Rahman A. 2015. Pollen deposition pattern in Kathali wetland and its adjoining areas of Garo Hills, Meghalaya, northeast India. *The Palaeobotanist* 64: 169-176.
8. Bera SK\*, **Dixit Swati** & Gupta Kanupriya. 2013. Late Holocene climate and vegetation succession as inferred from Jokai reserve forest, Dibrugarh, Assam: Pollen record and Anthropogenic impact. *51 Years after Daojali-Hading: Emerging Perspectives in the Archaeology of Northeast India*.
9. **Tripathi Swati\***, Basumatary SK, Singh VK, Bera SK, Nautiyal CM & Thakur, Biswajeet. 2014. Palaeovegetation and Climate oscillation of western Odisha, India: a pollen data-based synthesis for the Mid-Late Holocene. *Quaternary International* 325: 83-92.
10. Bera SK\*, Gupta, Kanupriya, Basumatary SK and **Tripathi Swati**. 2013. Incidence of differential pollen dispersal in different tiers of reserve forests, Northeast India: A twin study based on spider webs and air catches. *Journal of Applied Biosciences* 39 (2): 63-73.
11. Bera SK\*, Gupta, Kanupriya, Basumatary SK, **Dixit Swati**, Rahman, A. 2013. Pollen sedimentation in Urapad beel, Assam: Evidence of biological degradation in wetland environ, Northeast India. *Journal of Applied Biosciences* 39 (1): 10-15.
12. **Dixit Swati\***, Basumatary SK, Singh H & Bera SK. 2013. Melissopalynological studies of western part of Almora District, Uttarakhand. *The Palaeobotanist* 62: 39-46.
13. **Dixit Swati\*** & Bera SK. 2013. Vegetation vis a vis Climate change around Bhogdoi swamp in Lower Brahmaputra flood plain of Assam, Northeast India since late Holocene. *The Palaeobotanist* 62: 19-27.

14. **Dixit Swati\***, Basumatary SK, Bera, SK, Rahman A, Rabha Debojit & Thomas Soumya 2012. Melissopalynological investigations from Goalpara District of Assam, Northeast India. *Journal of Palynology* 47: 77-87.
15. Bera SK\* & **Dixit Swati**. 2011. Pollen analysis of Late Holocene lacustrine sediment from Jeypore reserve forest, Dibrugarh, Assam. Geological process and climate change, pp. 85-94, Macmillan Publishers India Ltd.
16. Bera SK\* & **Dixit Swati**. 2010. Pollen morphological and phenological characteristics in some economically important plant taxa from reserve forests of Dibrugarh District, Assam. *Journal of the Indian Botanical Society* 89(1&2): 111-126.
17. Bera SK\*, Basumatary SK & **Dixit Swati**. 2009. Studies on pollen morphology and phenological characteristics of some economically important arborescent taxa of Tropical forest lower Brahmaputra Valley, Assam, North East India. *Journal of Palynology*. 43: 1-9.
18. Bera SK\*, **Dixit Swati**, Basumatary SK & Sarma GC. 2009. Pollen analysis of honey from Kamrup reserve forests, Assam. *Journal of Palynology* 43: 57-65.
19. Bera SK\*, Basumatary SK & **Dixit Swati**. 2008. Ethnomedicinal plants used among bodo tribe of Assam, Northeast India. *Journal of the Indian Botanical society* 87(3&4): 242-247.

**Note: \*=Corresponding author**

***Scopus h-index: 11; i10-index: 12; total citations: 320***

#### **Conference attended and abstract published in abroad:**

1. **Tripathi Swati**, Farooqui A, Singh VK, Singh S, Roy RK – Comparative morphological analysis of *Ceiba* Mill. (Bombacoideae, Malvaceae) pollen through FESEM, CLSM and LM: A sacred plant of Mayan (Mesoamerican civilization). 10<sup>th</sup>

*European Palaeobotany & Palynology Conf.*, University College Dublin, **Dublin**, Ireland, August, 2018. (oral)

2. Narayana AC, Prakash V, Gautam PK, **Tripathi Swati**, Bera SK. 2014. Environmental and Climate Change during the Holocene: Inferred from Sedimentary Record/Proxies of a Paleodelta region, Southwest Coast of India. *Amer. Geophysical Union fall Meeting*. San Francisco, **USA**, December, 2014 (Poster ID-PP 43B-1478, 18-12-2014).
3. **Dixit Swati** & Bera SK. 2012. Pollen recorded Vegetation and Climate dynamics since Late Quaternary from Deepor wetland-Ramsar site of Assam, Northeast India: in relevance to global climatic events and human impact. 9<sup>th</sup> IOP/13<sup>th</sup> IPC-2012, Tokyo, **Japan**, pp. 47-48. 23<sup>rd</sup> to 30<sup>th</sup> August, 2012 (Oral).
4. Bera SK & **Dixit Swati**. 2012. Late Holocene vegetational and climatic changes as inferred from radiocarbon dates and palynodata of older alluvial sediments on the south bank of the Brahmaputra flood plain, Northeast India. 9<sup>th</sup> IOP/13<sup>th</sup> IPC-2012, Tokyo, **Japan**, pp. 14. 23<sup>rd</sup> to 30<sup>th</sup> August, 2012 (Oral)
5. **Dixit Swati** & Bera SK. 2011. Late Quaternary climatic fluctuations from Lower Brahmaputra valley of Assam, Northeast India: in context with global climatic events. World Conference on Palaeontology and Stratigraphy, Nakhon Rachasima, **Thailand**, pp. 198. 28th Nov to 2nd Dec. (Oral).

#### **Workshop and Training Programme attended:**

- Attended a workshop on “Sedimentology and Sequence Stratigraphy” during 26<sup>th</sup> - 31<sup>st</sup>, October, 2009 at BSIP, Lucknow.
- Participated actively in a training programme on Cenozoic Dinoflagellate cysts (theoretical classes at BSIP, Lucknow and field visit to Goa) for the collection of samples during 14<sup>th</sup> -26<sup>th</sup> February, 2011.
- Attended a training program on Palaeosols during 6<sup>th</sup>-12<sup>th</sup> November, 2013 at BSIP, Lucknow.
- Attended a Hindi workshop in National Research Laboratory for Conservation of Cultural Property on 1<sup>st</sup> March, 2017.
- Attended a workshop on Quantitative modern pollen relationship in Nawabganj forest, Unnao.

- Attended a lecture delivered by Dr. Robert J. Morley (Director, Palynova Ltd.) on topic 'Palynology in Indonesia: an overview of Quaternary studies, Cenozoic stratigraphic Palynology and Sequence Biostratigraphy' on July, 4<sup>th</sup> 2020.
- Attended a webinar on Palynology and Climate (Session 1) organized by the American Association of Stratigraphic Palynologists (AASP) on July 21<sup>st</sup>, 2020.
- Delivered a lecture in Hindi on the topic 'Biodiversity and ecological studies based on Meghalayan Caves' in Hindi Workshop on July, 29<sup>th</sup>, 2020 at BSIP.

#### **Invited talks in prestigious scientific meetings:**

- **Tripathi Swati** – Multiproxy studies on dung of endangered Sangai (*Rucervus eldii eldii*) and Hog deer (*Axis porcinus*) from Manipur, India: Implications for paleoherbivory and paleoecology. 84<sup>th</sup> Annual meeting of Indian Academy of Sciences, Banaras Hindu University, Varanasi, November, 2018.

#### **Training imparted:**

- Supervising 2 Ph.D. Scholars (1 Ph.D. thesis submitted to Lucknow University; 1 on-going from BHU).
- Imparted training to several Botany and Geology students for their M.Sc. dissertation.
- Acted as supervisor for three M.S. Geology students under Summer Research Fellowship program of Indian Academy of Sciences, Bangalore.

#### **Membership:**

- Life member of the Palaeobotanical society of India.
- Life member of the Palynological society of India.
- Life member of the Palaeontological Society of India.
- Life member of the International Society of Applied Biology.
- Annual member of International Organization of Palaeobotany (IOP).
- Annual member of AASP-The Palynological Society of America.
- Life member of Association of Quaternary Researchers (AOQR).

#### **Member, Editorial Board:**

- Journal of Palaeosciences (BSIP)
- Journal of Plant Science & Research (open access)

